



**MAIL STOP PCT PCT** IFW

Docket No. 292627US2X PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Julien CHARTON, et al.

SERIAL NO: 10/583,718

GAU:

FILED: June 20, 2006

EXAMINER:

FOR: ELECTROSTATIC MEMS COMPONENTS PERMITTING A LARGE VERTICAL DISPLACEMENT

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
292627US2X PCTSERIAL NO.  
10/583,718

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Julien CHARTON, et al.FILING DATE  
June 20, 2006

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	2002 0171327	11-21-02	MILLER, Samuel Lee et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AG	92 22763	12-23-92	WO		NO
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	AKSYUK, V. A. et al., "Optically-Powered Optical Power Limiter for Use in Lightwave Networks", Bell Laboratories, Lucent Technologies, pgs. 344-348, 1999.
	AO	BIFANO, Thomas G. et al., "Continuous-Membrane Surface-Micromachined Silicon Deformable Mirror", Optical Engineering, Vol. 36, No. 5, pgs. 1354-1359, 1997.
	AP	KRISHNAMOORTHY MALI, Raji et al., "Development of Microelectromechanical Deformable Mirrors for Phase Modulation of Light", Optical Engineering, Vol. 36, No. 2, pgs. 542-548, 1997.
	AQ	VAN DER WIJNGAART, Wouter et al., "A High-Stroke, High-Pressure Electrostatic Actuator for Valve Applications", Sensors and Actuators, Vol. 100, No. 2-3, pgs. 264-271, 2002.
	AR	ZHOU, T. et al., "MEMS-Based 14GHz Resolution Dynamic Optical Filter", Electronics Letters, Vol. 39, No. 24, pgs. 1-2, 2003.
	AS	BRANEBJERG, Jens et al., "A New Electrostatic Actuator Providing Improved Stroke Length and Force", Micro Electro Mechanical Systems, pgs. 6-12, 1992.
	AT	GILBERT, J.R. et al., "Two-Phase Actuators: Stable Zipping Devices Without Fabrication of Curved Structures", Solid-State and Actuator Workshop, pgs. 98-100, 1996.
	AU	DIVOUX, C. et al., "A Novel Electrostatic Actuator for Micro Deformable Mirrors: Fabrication and Test", TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems, Vol. 1, pgs. 488-491, 2003.
	AV	
	AW	
	AX	
	AY	
	AZ	<div><input type="checkbox"/> Additional References sheet(s) attached</div>

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No: 10/583,718

Filed: June 20, 2006

Julien CHARTON, et al.

Docket No. 292627US2PCT

#### STATEMENT OF RELEVANCY

- 1) References AA and AN – AR have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References            have been cited in the corresponding            Search Report. A copy of these references is being submitted herewith.
- 3) References AG and AS are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References AT –AU are additional prior art known to Applicant. A copy of these references is being submitted herewith.

	Docket No.: 292627US2X PCT	Serial No.: 10/583,718
LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56	Inventor: Julien CHARTON, et al.	
	Filing Date: June 20, 2006	Group:

**LIST OF RELATED CASES**

<u>Examiner Initial</u>	<u>Docket No.</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Patent App. Publication No.</u>	<u>Inventor or Applicant</u>
	292627US2XPCT*	10/583,718	06/20/06		CHARTON et al.
	292748US2PCT	10/584,202	06/23/06		DIVOUX
	292628US0 PCT	10/583,719	06/20/06		DIVOUX et al.
	292962US2	11/472,377	06/22/06		CHAPPAZ et al.

Examiner

Date Considered

\*Present Application; listed for information

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